Amendment of the Specification:

Please amend the specification in accordance with a marked-up copy of the changes to selected paragraph is provided below.

Marked up paragraph starting at page 2, lines 14-22 and continuing at page 2, lines 1-5:

In the field of optical communication, an optically demultiplexing element is required for demultiplexing a wavelength-multiplexed optical signal propagated in an optical fiber in dense wavelength division multiplexing (DWDM) communication, so that a diffraction grating is used widely. There has been proposed an optical demultiplexer in which a wavelength-multiplexed optical signal propagated in an optical fiber is demultiplexed by a diffraction grating an light with each wavelength (channel) is made incident on a corresponding photodetector so that the quantity of light in each channel is monitored (for example, republished Patent ~~WO99/48829~~ WO99/46629). In the optical demultiplexer used for monitoring the quantity of light with each or wavelengths demultiplexed as described above, photo detected is performed by a photodetector array.
